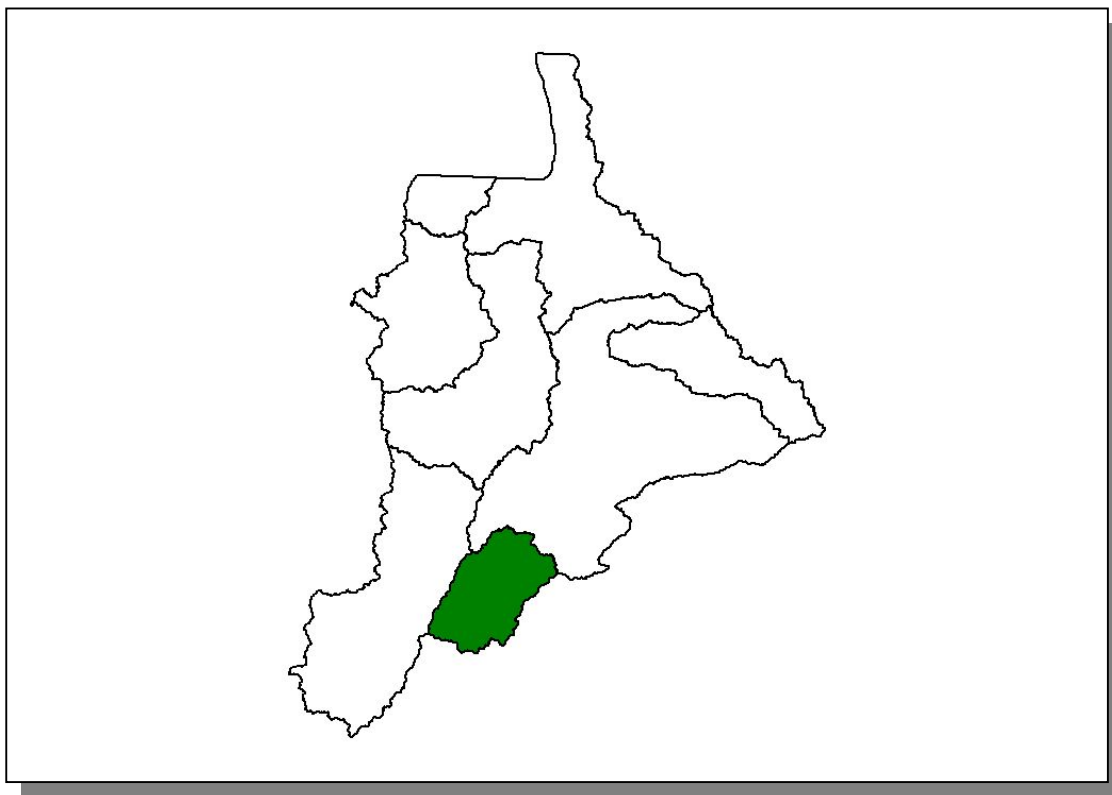
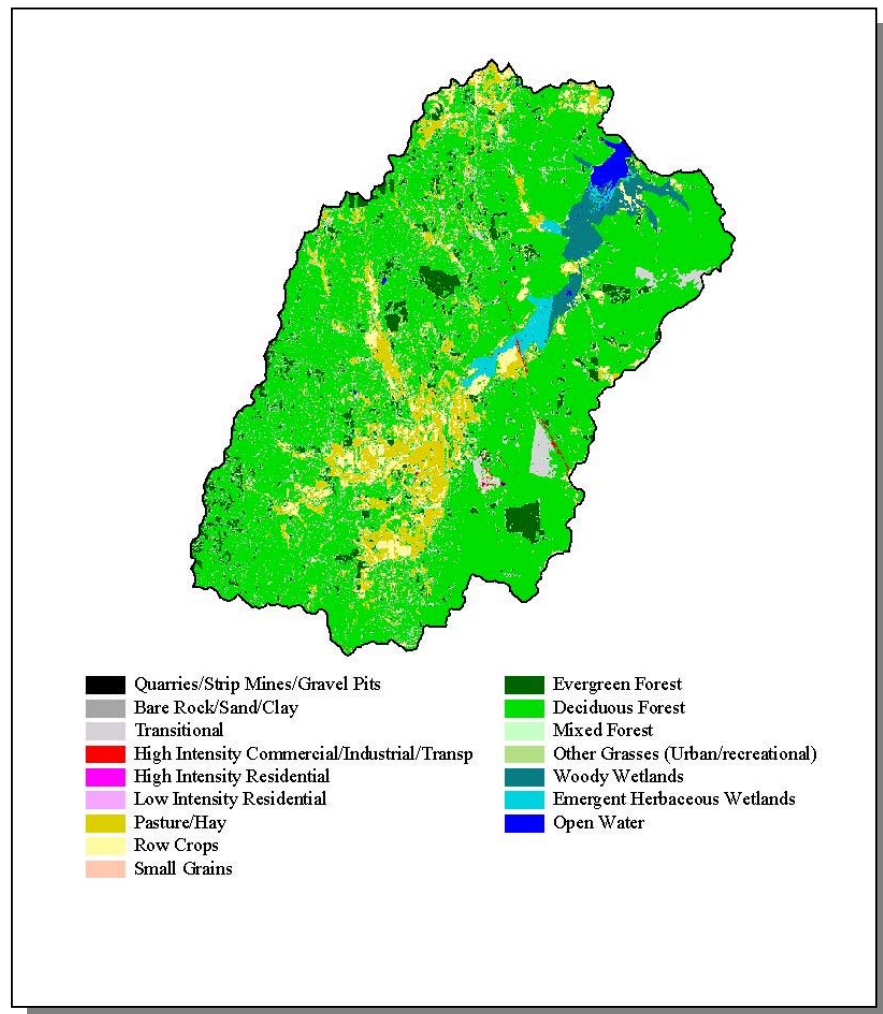


**4.2.B. 0604000502 (Birdsong Creek).**

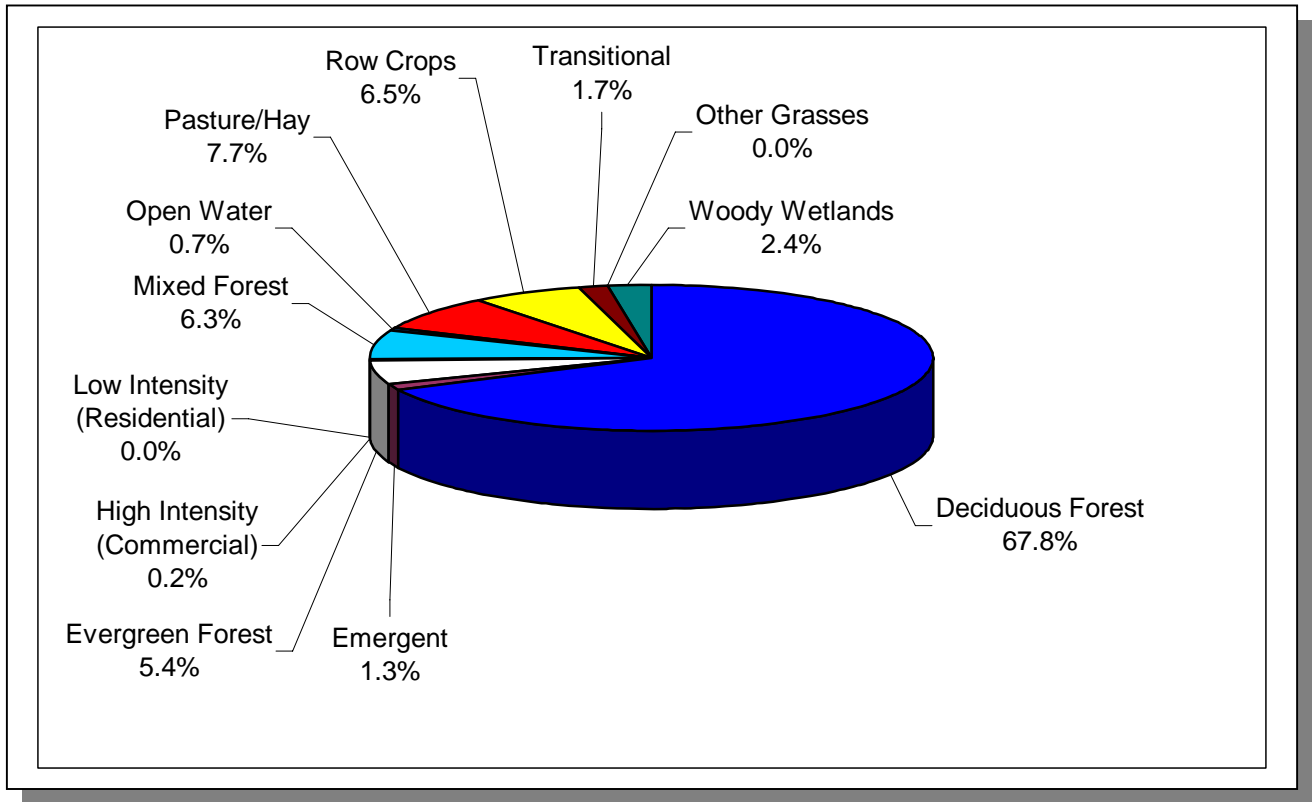


**Figure 4-15. Location of Subwatershed 0604000502.** All Tennessee Western Valley (KY Lake) HUC-10 subwatershed boundaries in Tennessee are shown for reference.

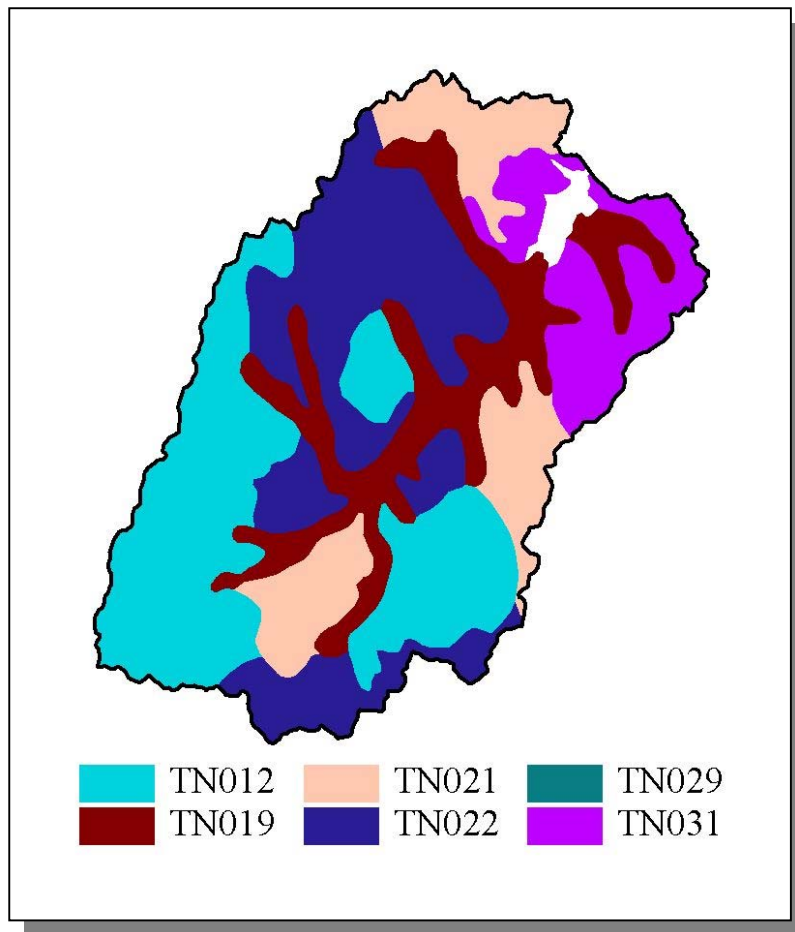
4.2.B.i. General Description.



*Figure 4-16. Illustration of Land Use Distribution in Subwatershed 0604000502.*



**Figure 4-17. Land Use Distribution in Subwatershed 0604000502.** More information is provided in Appendix IV.



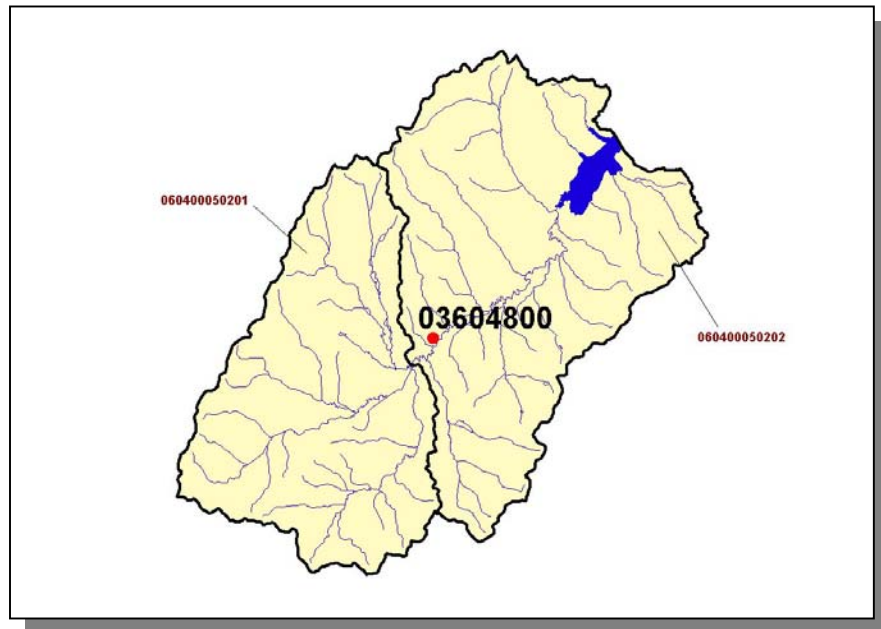
**Figure 4-18. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000502.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	3.00	C	2.52	5.13	Silty Loam	0.39
TN019	186.00	C	1.54	4.76	Loam	0.26
TN021	15.00	C	1.30	5.00	Silty Loam	0.43
TN022	20.00	C	1.98	5.07	Loam	0.37
TN029	32.00	C	2.96	5.40	Loam	0.33
TN031	0.00	C	3.27	4.88	Loam	0.33

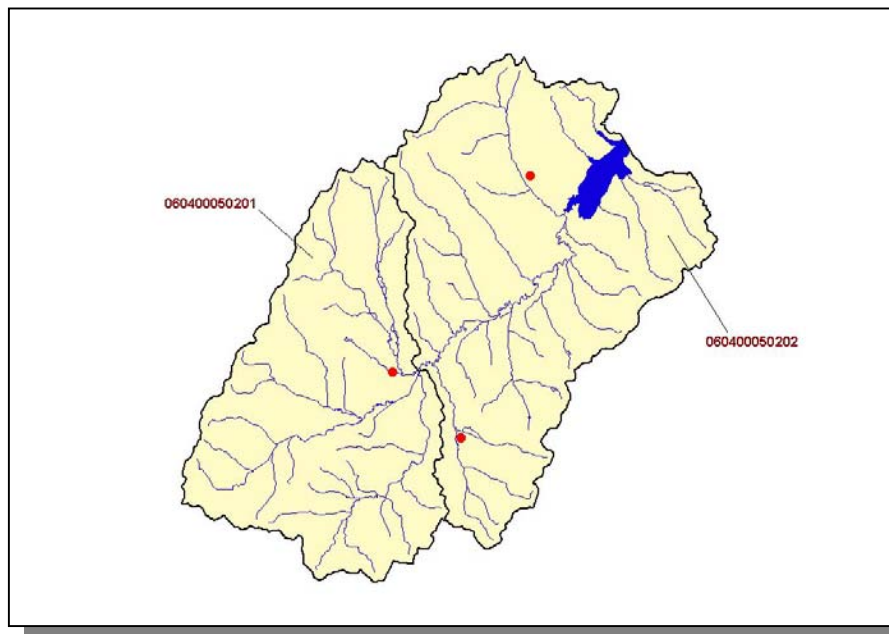
**Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000502.** More information is provided in Appendix IV.

	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	Portion of Watershed (%)	1990	1997	2000	% Change (1990-1997)
Benton	14,524	16,243	16,537	17.7	2,573	2,878	2,903	13.9
Carroll	27,514	28,990	29,475	1.05	288	303	308	6.9
Decatur	10,472	10,799	11,731	1.98	207	214	232	12.1
Henderson	21,844	24,000	25,522	0.02	5	5	5	0.0
<b>Totals</b>	<b>74,354</b>	<b>80,032</b>	<b>83,265</b>		<b>3,073</b>	<b>3,400</b>	<b>3,475</b>	<b>13.1</b>

*Table 4-9. Population Estimates in Subwatershed 0604000502.*

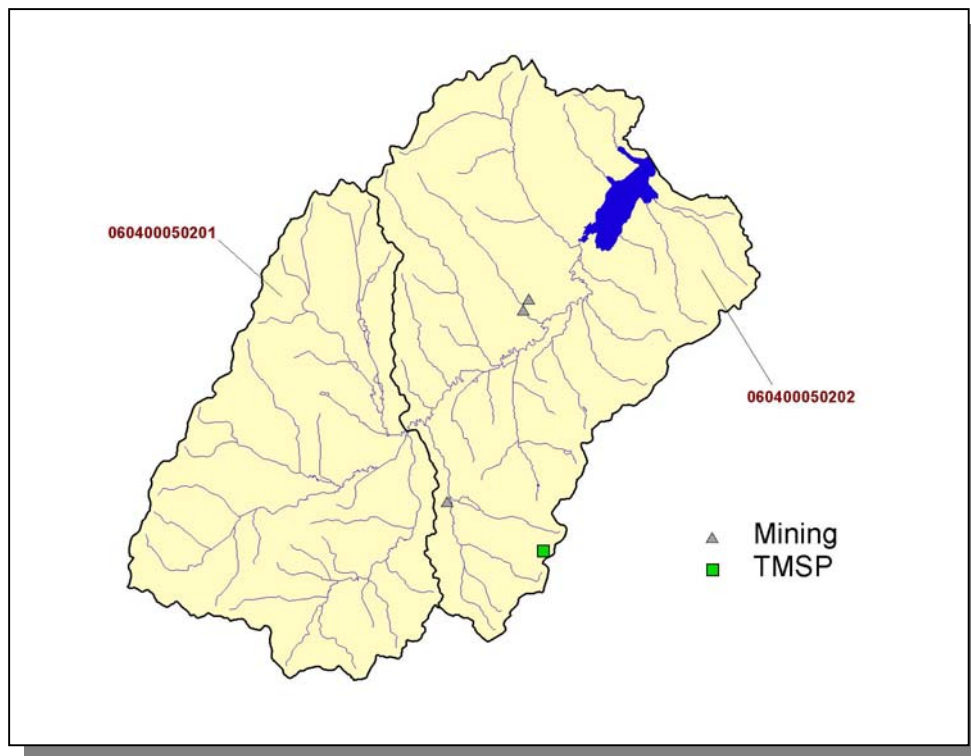


**Figure 4-19. Location of Historical Streamflow Data Collection Sites in Subwatershed 0604000502.** Subwatershed 060400050201 and 060400050202 boundaries are shown for reference. More information is provided in Appendix IV.

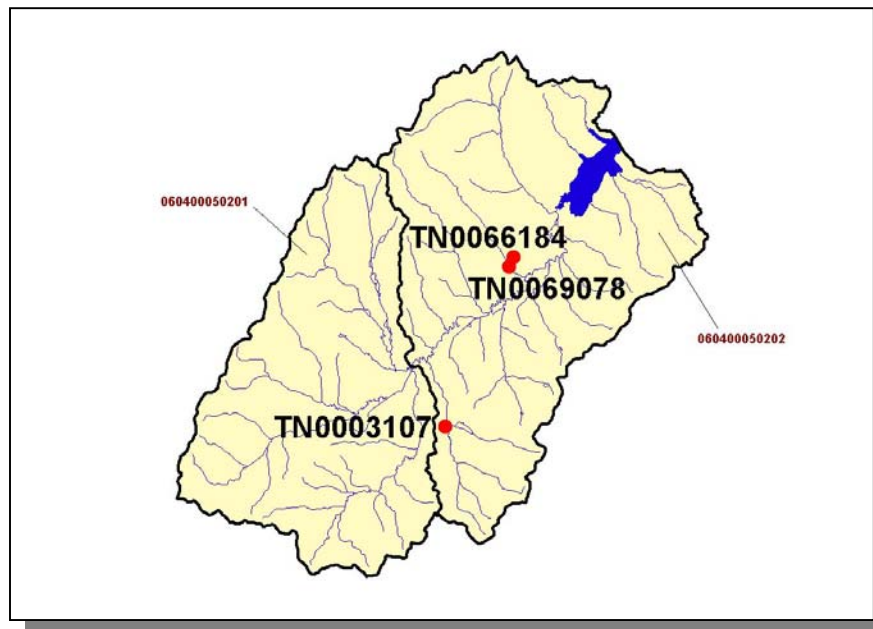


**Figure 4-20. Location of STORET Monitoring Sites in Subwatershed 0604000502.** Subwatershed 060400050201 and 060400050202 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

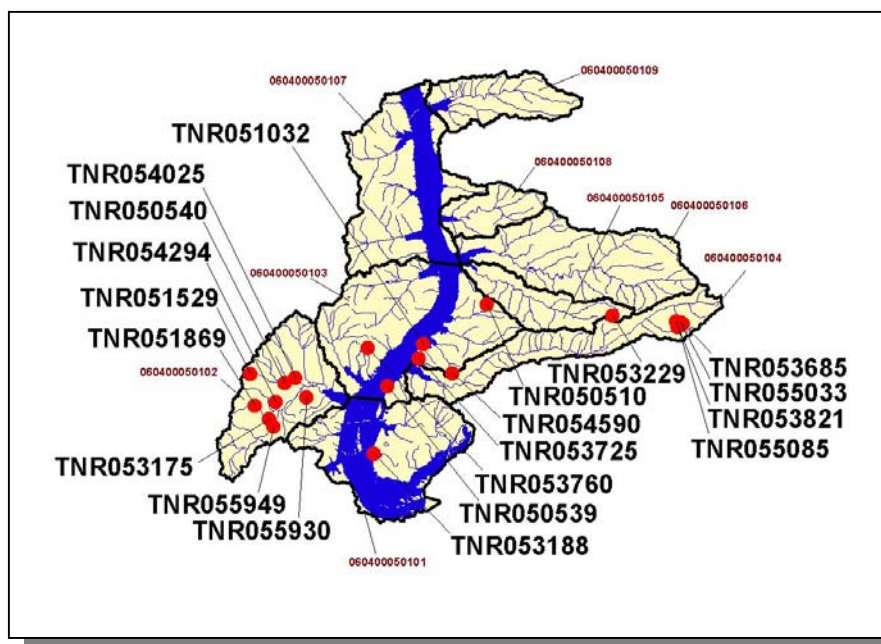
**4.2.B.ii.** Point Source Contributions.



**Figure 4-21. Location of Active Point Source Facilities in Subwatershed 0604000502.** Subwatershed 060400050201, 060400050202, 060400050203, 060400050204, 060400050205, 060400050206, 060400050207, 060400050208, and 060400050209 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-22. Location of Active Mining Facilities in Subwatershed 0604000502.** Subwatershed 060400050201, 060400050202, 060400050203, 060400050204, 060400050205, 060400050206, 060400050207, 060400050208, and 060400050209 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-23. Location of TMSP Facilities in Subwatershed 0604000502.** Subwatershed 060400050201, 060400050202, 060400050203, 060400050204, 060400050205, 060400050206, 060400050207, 060400050208, and 060400050209 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.



**4.2.B.iii. Nonpoint Source Contributions.**

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens Sold	Hogs	Sheep
969	1,887	<5	<5	<5	394	<5

**Table 4-10. Summary of Livestock Count Estimates in Subwatershed 0604000502.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Benton	172.7	172.7	2.1	6.9
Carroll	169.1	169.1	0.6	2.0
Henderson	158.5	158.5	3.6	12.8
<b>Total</b>	<b>500.3</b>	<b>500.3</b>	<b>6.3</b>	<b>21.7</b>

**Table 4-11. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0604000502.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Legume (Pastureland)	0.41
Grass (Pastureland)	0.35
Grass (Hayland)	0.23
Legumes (Hayland)	0.52
Legumes, Grass (Hayland)	0.21
Grass, Forbs, Legumes (Mixed Pasture)	0.21
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	4.01
Cotton (Row Crops)	7.54
Sorghum (Row Crops)	1.71
Soybeans (Row Crops)	3.96
Wheat (Close Grown Cropland)	10.36
Other Cropland not Planted	1.58
Conservation Reserve Program Lands	0.38
Other Land in Farms	0.51
Nonagricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.45

**Table 4-12. Annual Estimated Total Soil Loss in Subwatershed 0604000502.**